

# NIRLOVA PANDA

Software Developer | MCA Graduate

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## PROFESSIONAL SUMMARY

Results-driven Software Developer (MCA, 2025) with strong programming expertise in C, Java, and Python. Experienced in building machine learning models and automation tools with hands-on exposure to full software development lifecycle. Skilled in data structures, problem-solving, and backend logic development. Passionate about writing clean, efficient, and scalable code.

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## TECHNICAL SKILLS

**Programming Languages:** C, C++, Java, Python, SQL, JavaScript

**Web Technologies:** HTML, CSS

**Databases:** MySQL, Oracle

**Machine Learning:** NumPy, Pandas, Scikit-Learn, TensorFlow, Keras, Matplotlib

**Tools & IDEs:** Git, GitHub, VS Code, Eclipse, Jupyter Notebook

**Core Concepts:** Data Structures, OOP, DBMS, Operating Systems

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## PROJECTS

### Smart Grid Stability Prediction (Machine Learning Project)

- Developed a predictive ML model to analyze and forecast power grid stability.
- Achieved **90% accuracy** using classification algorithms.
- Improved outage prediction using data preprocessing and feature engineering.
- Tools Used: Python, Pandas, Scikit-Learn, TensorFlow.

### Automated Email File Sender (Python Automation)

- Built a Python automation tool to send scheduled email reports with attachments.
- Reduced manual reporting effort by **80% (5+ hours/week saved)**.

- Integrated SMTP libraries and automated file handling.
  - Tools Used: Python, smtplib, email, os, glob.
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## EDUCATION

### **Master of Computer Applications (MCA)**

NIST University, Odisha – 2025

CGPA: 8.6/10

### **B.Sc. Electronics**

Science College (Autonomous), Odisha – 2021

CGPA: 7.4/10

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## CERTIFICATIONS

- Machine Learning & Deep Learning Certification (2024)
  - NASSCOM AI-YUVA – Artificial Intelligence Program (2025)
  - SAP Certified Associate – ABAP (2025)
  - SAP Certified Associate – SAP Fiori Application Developer (2025)
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## SOFT SKILLS

Problem Solving | Analytical Thinking | Team Collaboration | Adaptability | Communication